

Fig. 1

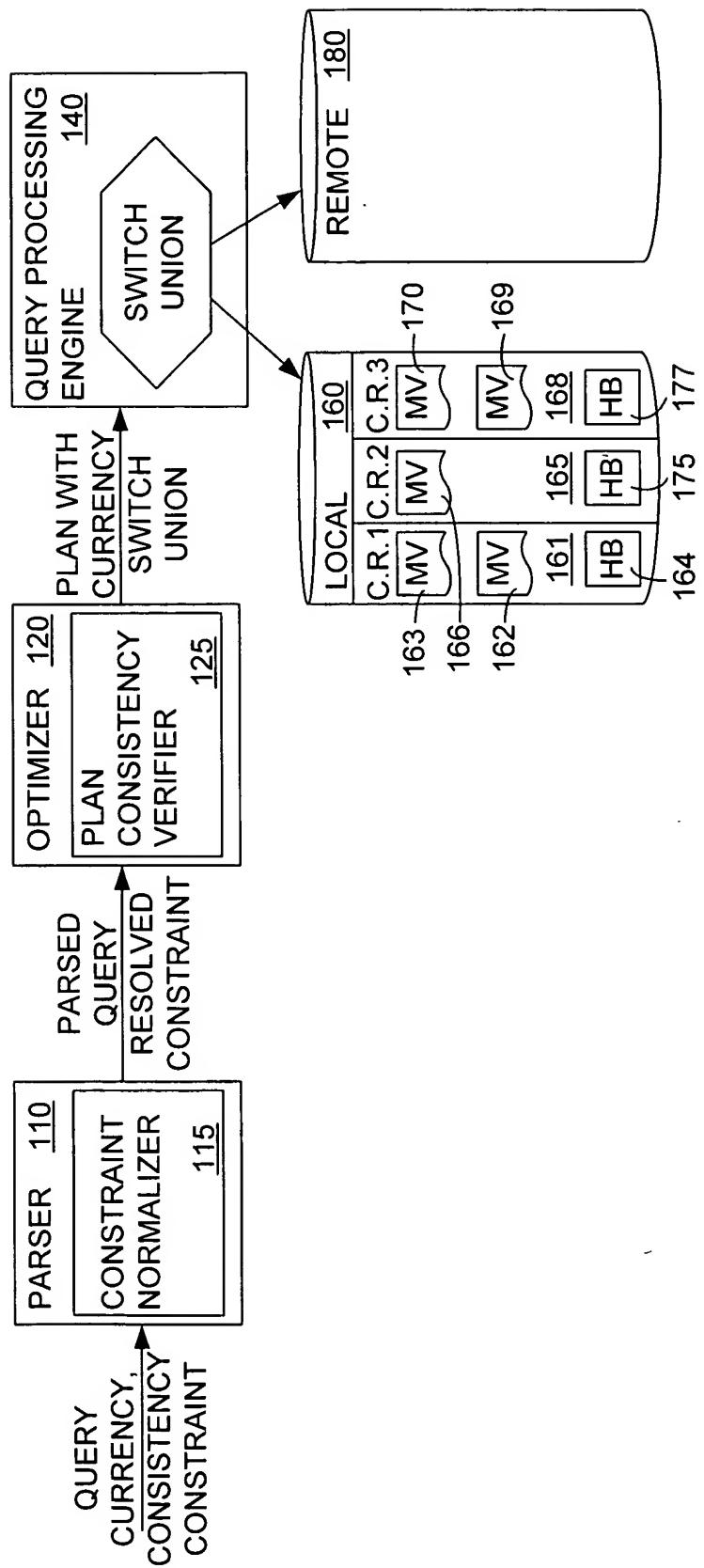


Fig.2

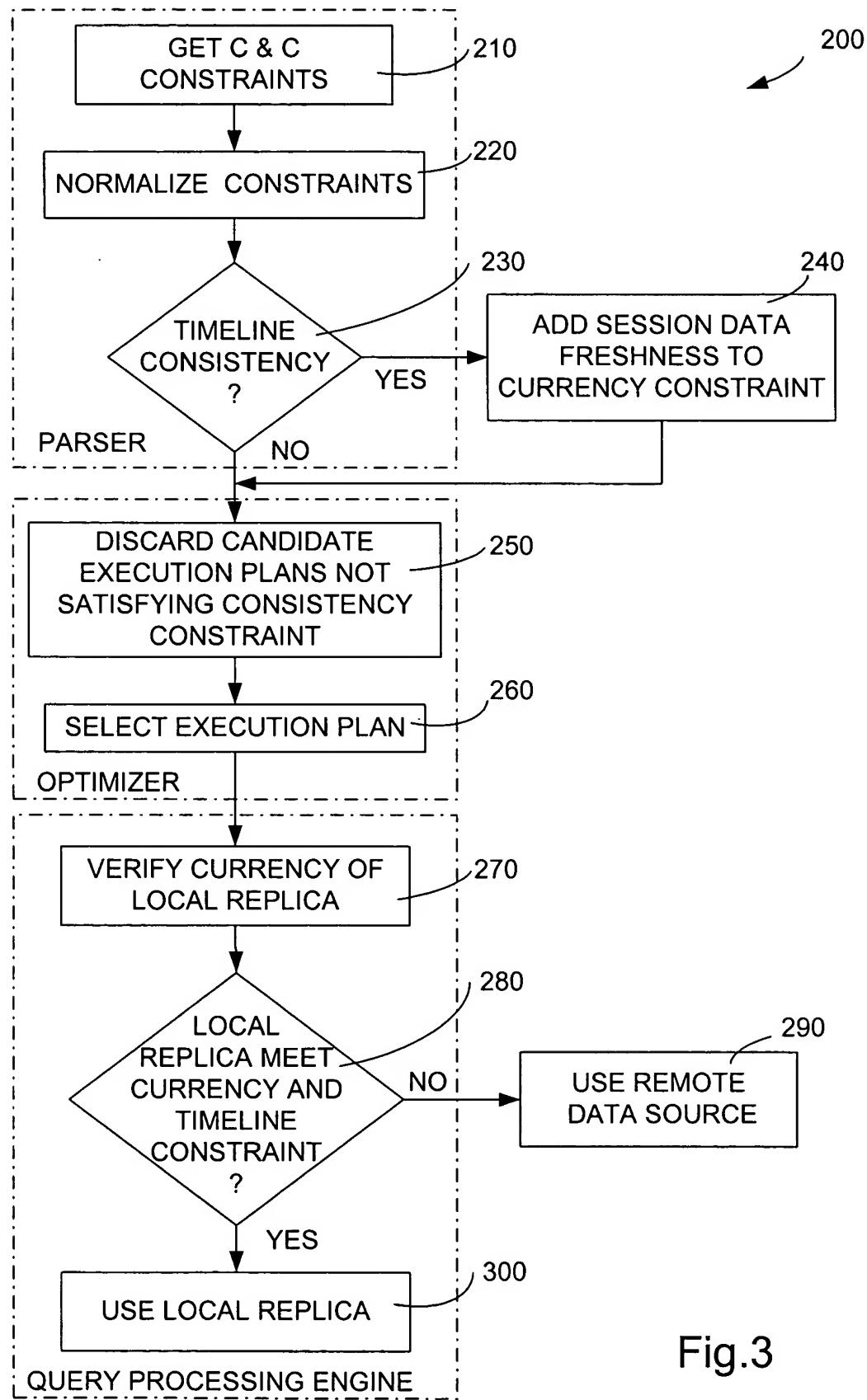


Fig.3

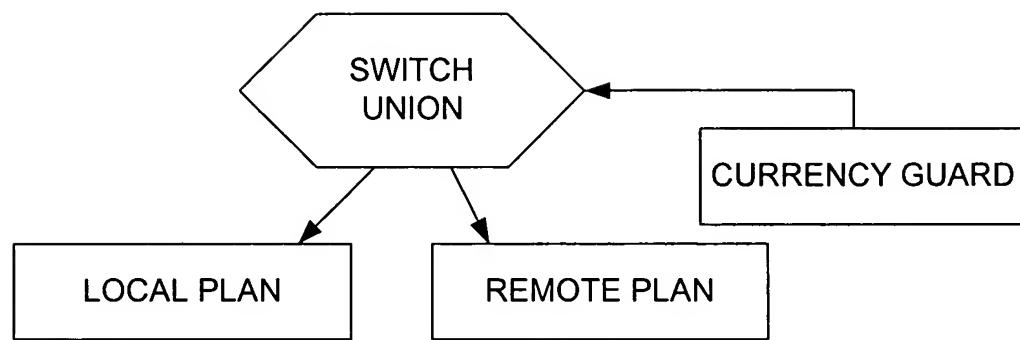


Fig.4

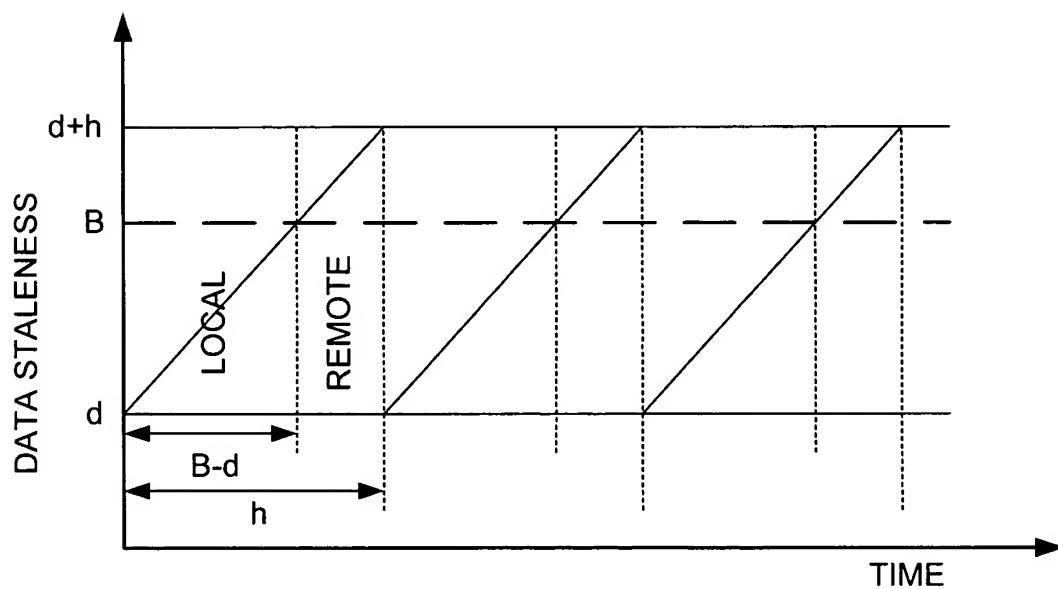


Fig.5

	cid	interval	delay	views
CR1	1	15	5	orders_prj
CR2	2	10	5	cust_prj

Fig.6a

S1: SELECT c\_custkey, c\_name, o\_orderkey, o\_totalprice  
 FROM customer, orders  
 WHERE c\_custkey = o\_custkey [AND c\_custkey < \$K]  
 [CURRENCY clause]

S2: SELECT c\_custkey, c\_name FROM customer  
 WHERE c\_acctbal between \$A and \$B  
 CURRENCY BOUND 10 on (customer)

Fig.6b

Q1: \$K = 500	P1
Q2: No range predicate; no currency clause	P2
Q3: \$K = 500; BOUND 10 ON (customer, orders)	P1
Q4: \$K = 500; BOUND 2 ON (customer), BOUND 20 on (orders)	P4
Q5: \$K = 500; BOUND 10 ON (customer), BOUND 20 on (orders)	P5
Q6: \$A = 100; \$B = 105	P1
Q7: \$A = 100; \$B = 110	P3

Fig.6c

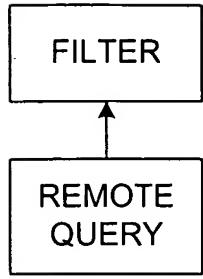


Fig.7a

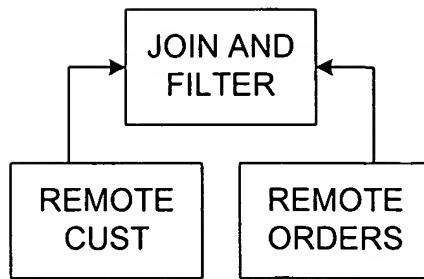


Fig.7b

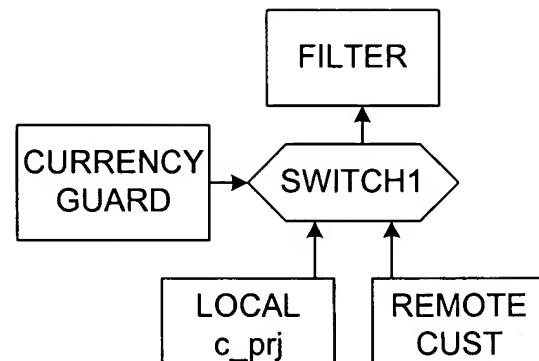


Fig.7c

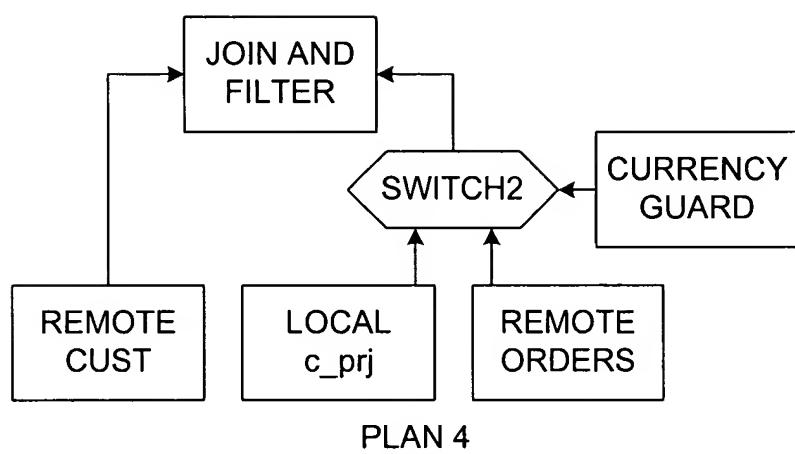


Fig.7d

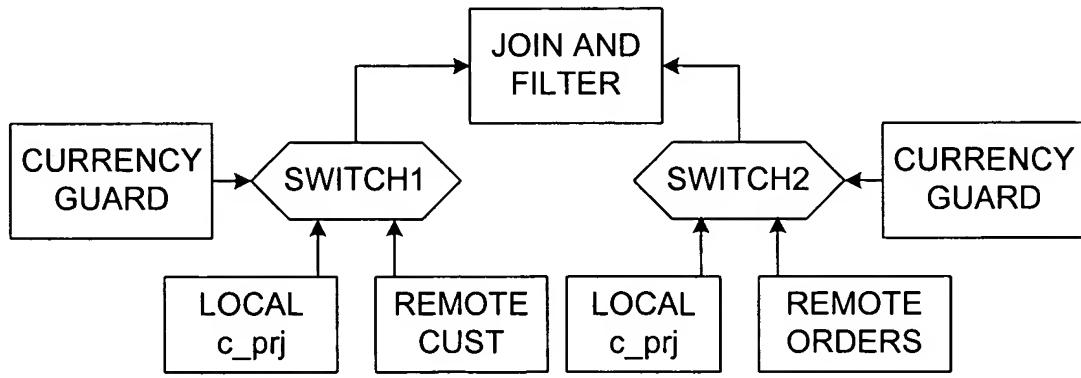


Fig.7e